

# Global Congress on Neurology & Neuroscience

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### Surgical treatment of complex spinal tumors

**Objective:** Spinal tumors constitute a very small percentage of CNS tumors. For tumors with complex morphology, many surgeons have tried to come up with the most suitable operative approach with mixed results. The objective of this study is to highlight the surgical principles that we have followed in the management of our patients with spinal tumors. Over the years, we have developed various strategies that have enabled us to achieve complete or near complete tumor removal with good functional outcome. This will help others to develop new surgical strategies to make complex spinal tumors more operable and in combination with oncological treatment, achieve complete cure.

**Materials and Methods:** This is a retrospective analysis on 25 patients with spinal tumors that we have operated from January 2012 till January 2019. All patients underwent microsurgical excision. Image guided spinal instrumentation was carried out in 4 patients.

**Results:** Postoperatively, most of the patients with extradural tumors made a good clinical recovery while one patient of intramedullary tumor demonstrated no change in his clinical findings. Overall, 17 patients had no complications, while 2 patients had wound dehiscence that was later repaired by secondary closure. One patient had a small asymptomatic tumor recurrence (filum terminale schwannoma) and is under regular follow up.

**Keywords:** Complex Spinal tumors, microsurgical treatment, modified McCormick scale.

### Biography

Syed Sayed Ahmed has passed the FRCS Examination in June 1996. Since then he worked in neurosurgery for National Health services of UK at Western General Hospital, Edinburgh; Radcliff infirmary: University of oxford and Walsgrave Hospital, University of Warwick, UK. In 2003 he returned to Bangladesh to join Apollo Hospital Dhaka as Consultant Neurosurgeon . In 2007 he Joined United Hospital Dhaka as Consultant Neurosurgery and Director, Neuro Centre. During his service in UK (Approx. 12 years) he successfully completed different training course in Edinburgh and Oxford. Among these GDC Training course for coiling of cerebral aneurysm organized by University of Oxford in remarkable. His special interest is in Treatment of subarachnoid haemorrhage.

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